SUBSTITUTE SPECIFICATION

# GOLF CLUB SHAFT

## BACKGROUND OF THE INVENTION

### Field to the Invention

The present invention relates to a golf club shaft and more particularly to a golf club shaft, made of a fiber reinforced resin, in which the structure of prepregs is specified and which is lightweight and has an appropriate rigidity and a high strength.

### Description of the Related Art

In the case where prepregs in which fibers are impregnated with a resin is used as the material of the golf club shaft, the prepregs are molded by winding on a mandrel a so-called straight layer whose reinforcing fiber is parallel with the major axis of the golf club shaft or alternatively an angular layer whose reinforcing fiber forms a certain angle with the major axis of the golf club shaft.

In recent years, the art for making lightweight shafts have been developed. The lightweight shaft is required to have a proper degree of rigidity and a high strength. Therefore there are various proposals made to improve the material of prepregs composed of the lightweight shaft and the laminated

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